

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062724\
 Data File : VW029383.D
 Acq On : 27 Jun 2024 15:57
 Operator : SY/MD
 Sample : P3065-12DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DK1DL

Quant Time: Jun 28 00:55:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 27 05:32:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	244141	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	231321	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	100697	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	58807	17.403	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.600%
7) Chloroethane-d5	2.899	69	48734	17.078	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.320%
11) 1,1-Dichloroethene-d2	4.015	65	28706	17.594	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.360%
21) 2-Butanone-d5	7.081	46	46061	45.560	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.120%
24) Chloroform-d	7.648	84	157457	21.620	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.480%
26) 1,2-Dichloroethane-d4	8.307	65	87511	20.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.720%
32) Benzene-d6	8.276	84	279786	19.913	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.640%
36) 1,2-Dichloropropane-d6	9.270	67	92451	20.699	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.800%
41) Toluene-d8	10.319	98	254189	20.448	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	10.575	79	36617	20.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.360%
47) 2-Hexanone-d5	10.922	63	30740	43.905	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.800%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76638	21.559	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.240%
66) 1,2-Dichlorobenzene-d4	13.848	152	85738	24.530	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.120%
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	32058	37.312	ug/L	97
16) Methylene chloride	4.923	84	152056	35.420	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	132602	26.382	ug/L	98
22) 2-Butanone	7.173	43	87400	74.209	ug/L	98
25) Chloroform	7.679	83	251066	37.893	ug/L	93
31) Carbon tetrachloride	8.069	117	196677	41.856	ug/L	93
33) Benzene	8.325	78	177392	12.763	ug/L	100
34) Trichloroethene	9.093	95	191344	51.601	ug/L	88
38) Bromodichloromethane	9.642	83	244663	51.237	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	43947	7.960	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	113552	46.909	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	135491	29.065	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	110122	40.485	ug/L	97
49) Dibromochloromethane	11.129	129	61874	21.761	ug/L	97
50) 1,2-Dibromoethane	11.233	107	104142	42.652	ug/L	94
51) Chlorobenzene	11.654	112	154778	16.681	ug/L	98
52) Ethylbenzene	11.727	91	162946	10.046	ug/L	98
53) m,p-Xylene	11.830	106	161821	27.314	ug/L	99
54) o-Xylene	12.160	106	272787	49.267	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Thu Jun 27 05:32:27 2024
Response via : Initial Calibration

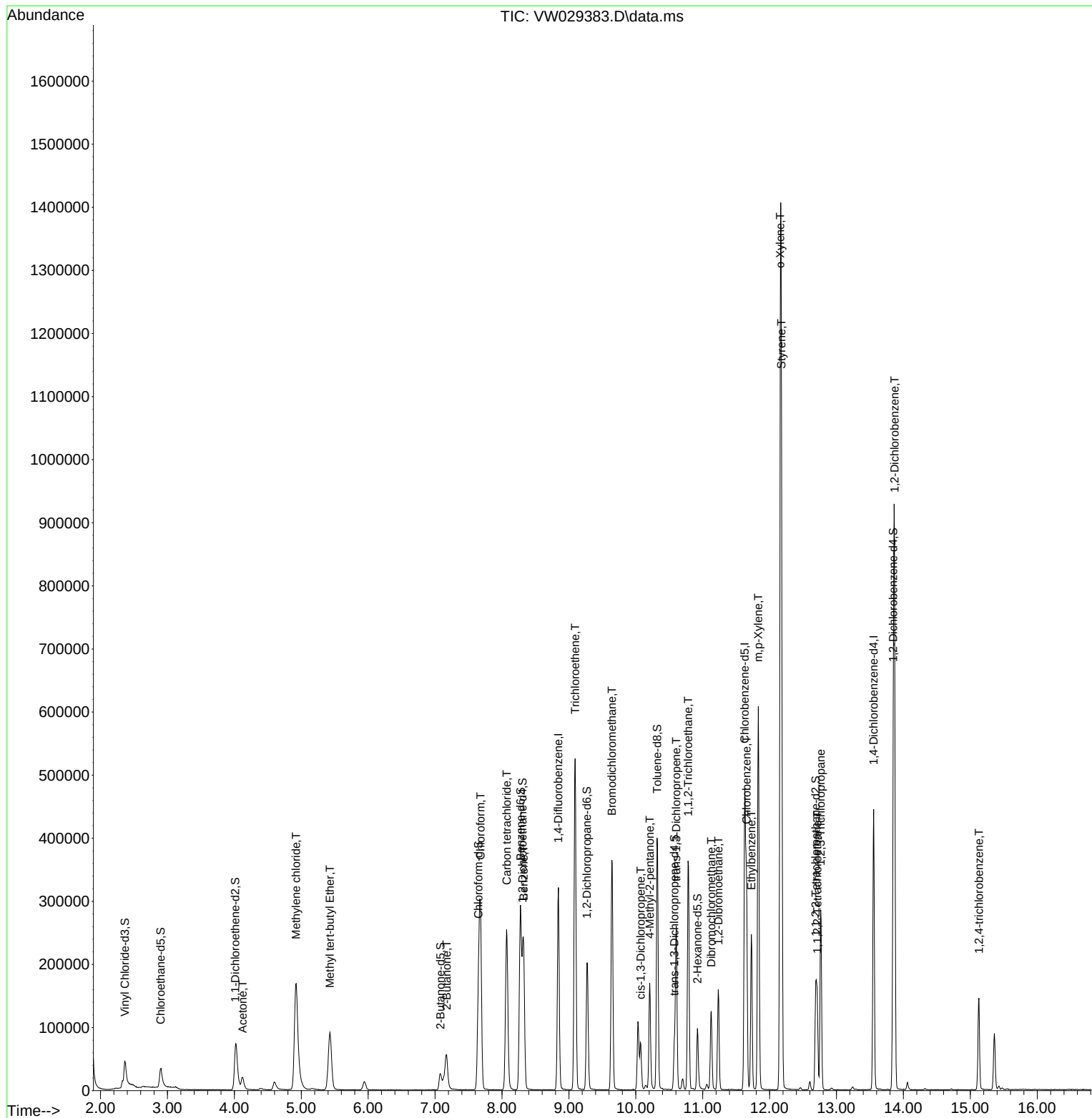
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	12.178	104	337409	34.950	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	66654	19.810	ug/L	95
61) 1,2,3-Trichloropropane	12.763	75	117415	53.459	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	283146	52.748	ug/L	92
70) 1,2,4-trichlorobenzene	15.129	180	42545	13.393	ug/L	96

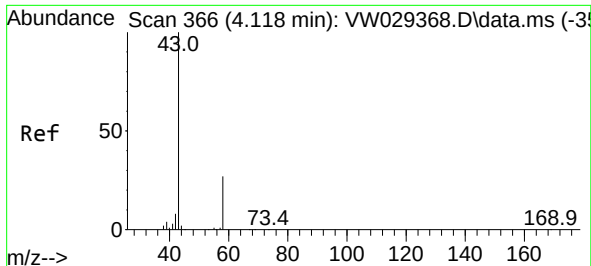
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 28 00:55:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
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#13

Acetone

Concen: 37.312 ug/L

RT: 4.125 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

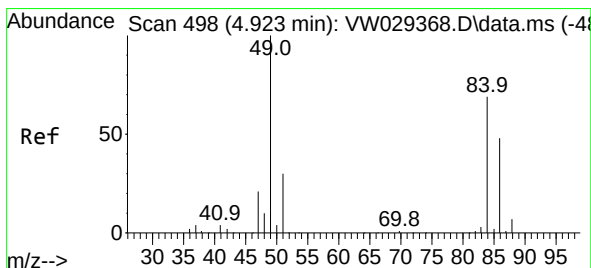
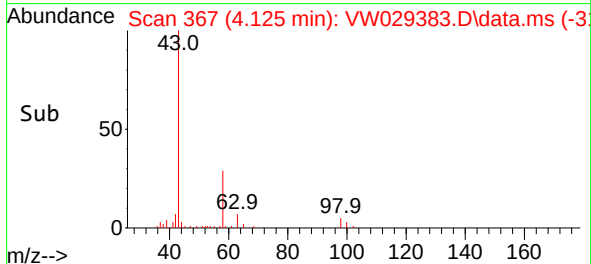
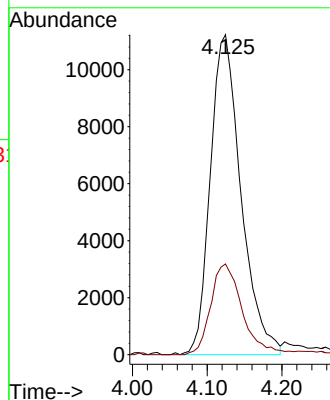
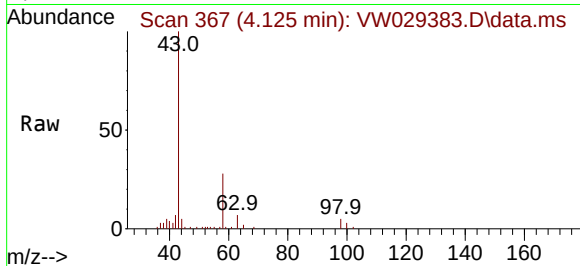
A4DK1DL

Tgt Ion: 43 Resp: 32058

Ion Ratio Lower Upper

43 100

58 29.2 0.0 61.4



#16

Methylene chloride

Concen: 35.420 ug/L

RT: 4.923 min Scan# 498

Delta R.T. -0.006 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

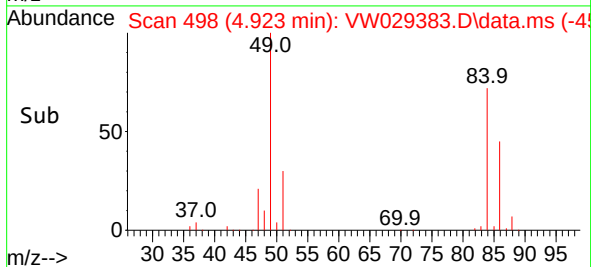
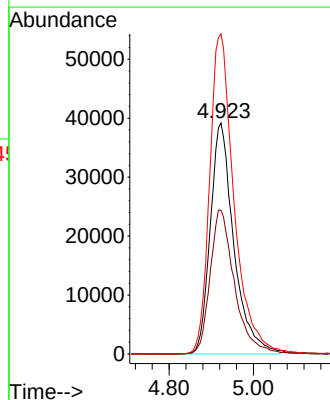
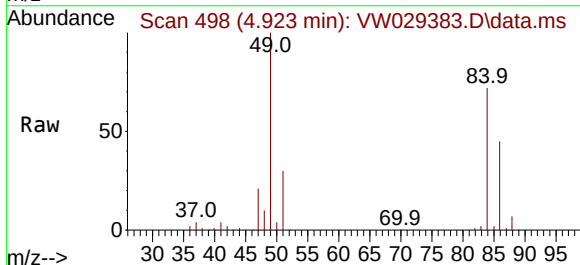
Tgt Ion: 84 Resp: 152056

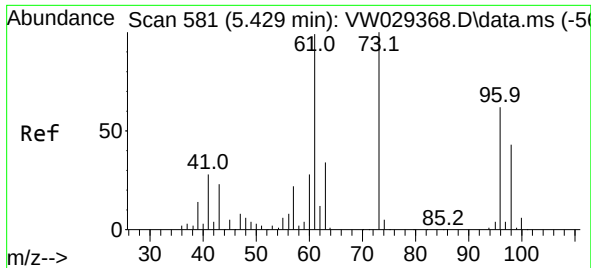
Ion Ratio Lower Upper

84 100

86 62.2 41.4 77.0

49 138.5 95.7 177.7

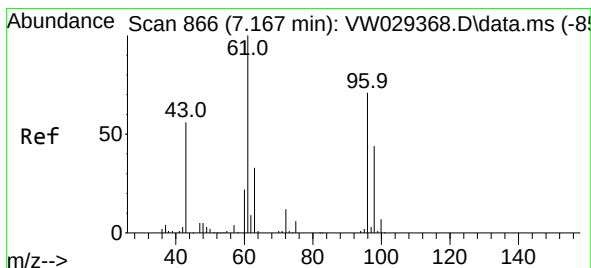
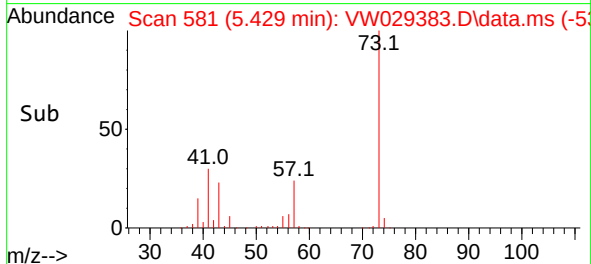
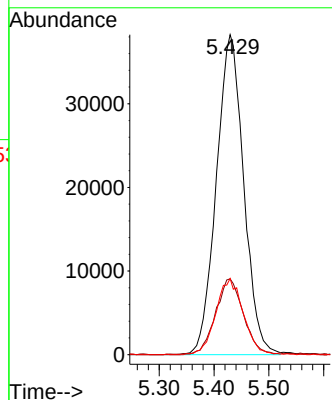
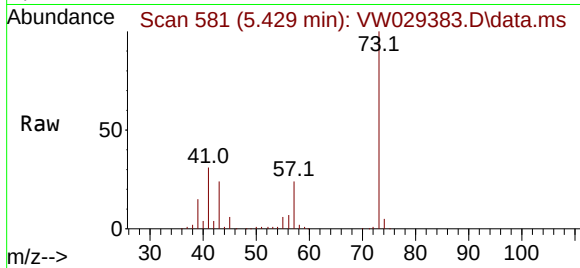




#18
Methyl tert-butyl Ether
Concen: 26.382 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

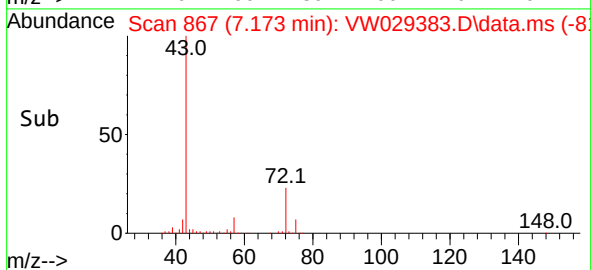
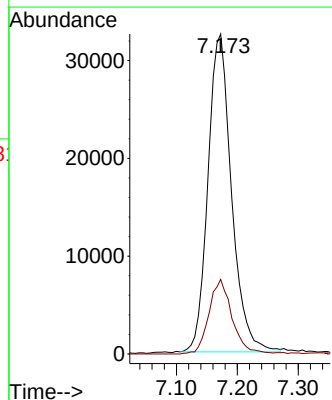
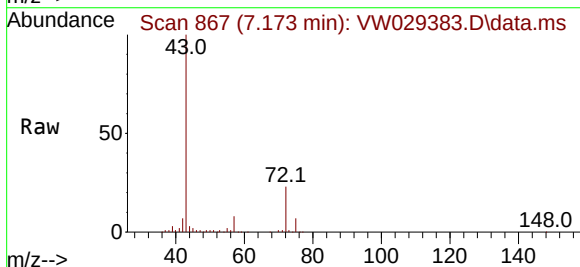
Instrument :
MSVOA_W
ClientSampleId :
A4DK1DL

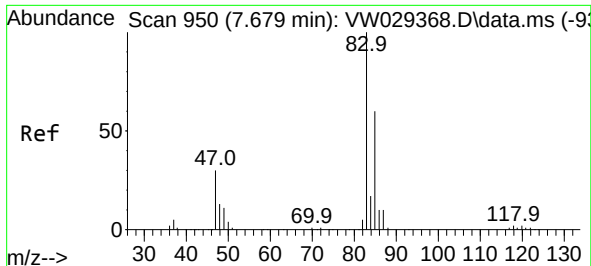
Tgt Ion: 73	Resp: 132602		
Ion Ratio	Lower	Upper	
73	100		
43	23.8	19.5	29.3
57	23.9	18.4	27.6



#22
2-Butanone
Concen: 74.209 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

Tgt Ion: 43	Resp: 87400		
Ion Ratio	Lower	Upper	
43	100		
72	22.9	11.9	35.7

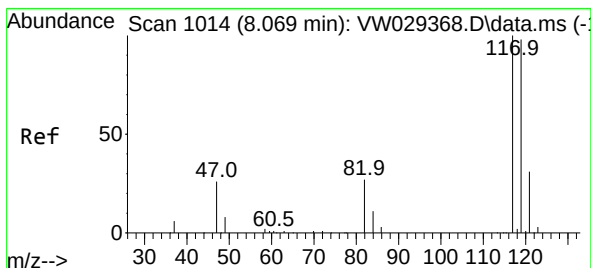
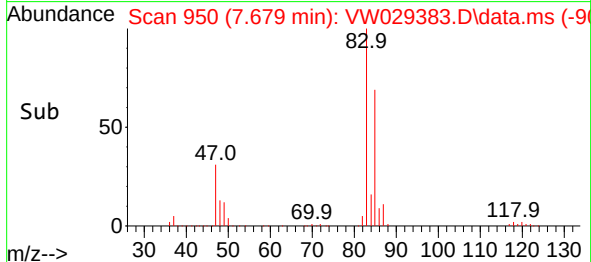
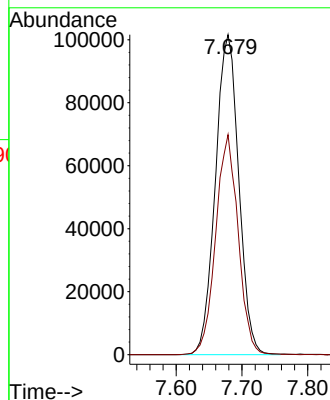
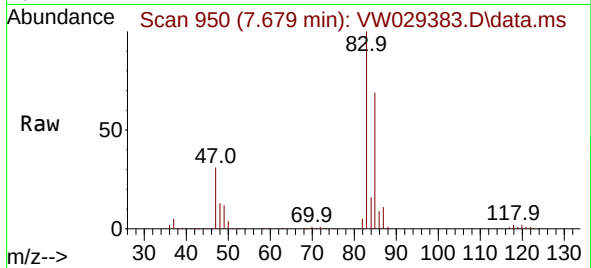




#25
Chloroform
Concen: 37.893 ug/L
RT: 7.679 min Scan# 910
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

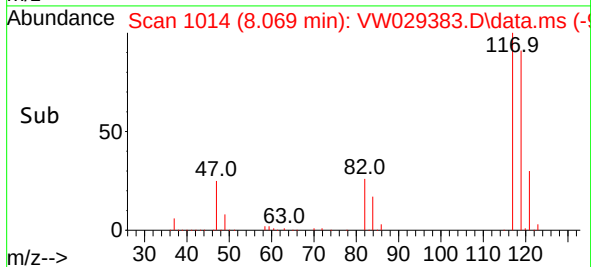
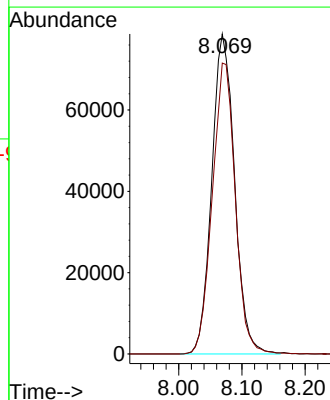
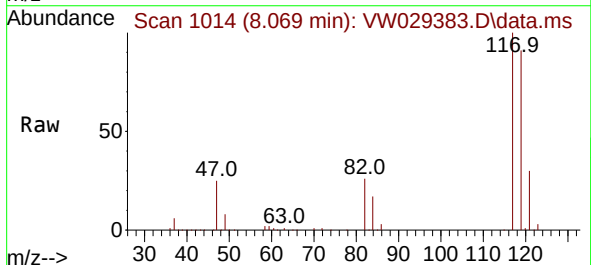
Instrument :
MSVOA_W
ClientSampleId :
A4DK1DL

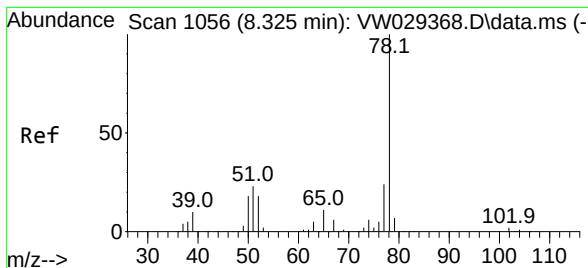
Tgt Ion: 83 Resp: 251066
Ion Ratio Lower Upper
83 100
85 68.8 44.4 82.4



#31
Carbon tetrachloride
Concen: 41.856 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

Tgt Ion: 117 Resp: 196677
Ion Ratio Lower Upper
117 100
119 91.7 79.0 118.4





#33

Benzene

Concen: 12.763 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

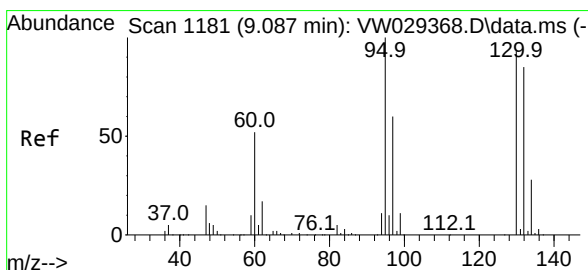
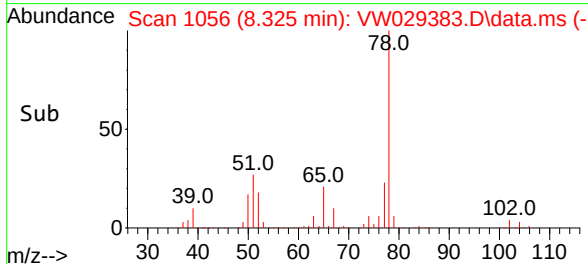
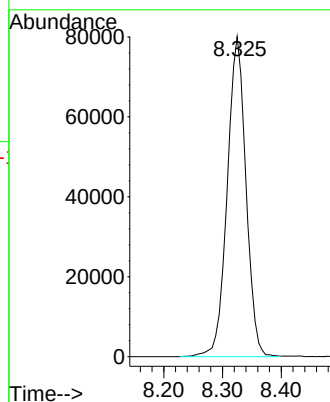
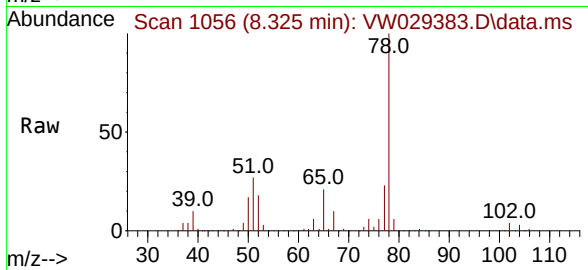
Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

Tgt Ion: 78 Resp: 177392



#34

Trichloroethene

Concen: 51.601 ug/L

RT: 9.093 min Scan# 1182

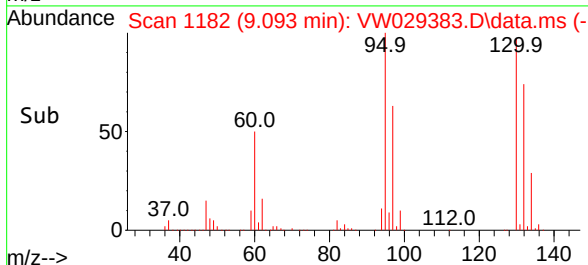
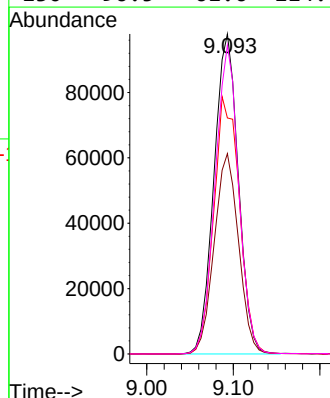
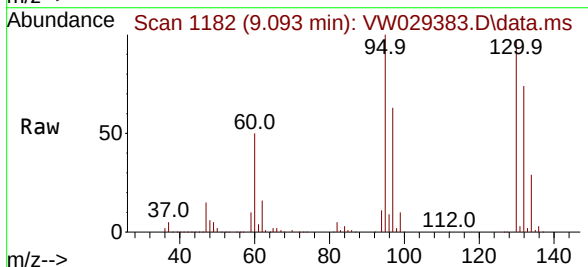
Delta R.T. -0.000 min

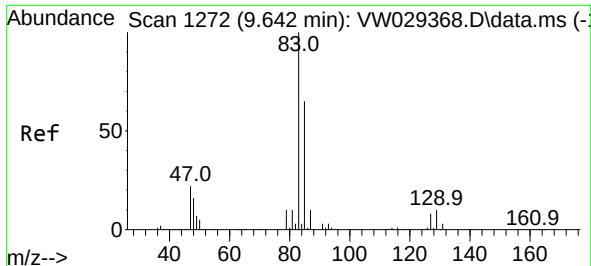
Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Tgt Ion: 95 Resp: 191344

Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.7	84.9
132	73.8	66.4	123.4
130	96.5	61.6	114.4

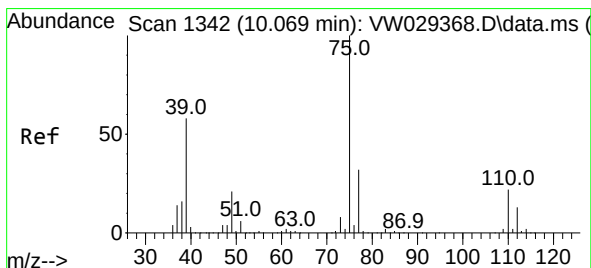
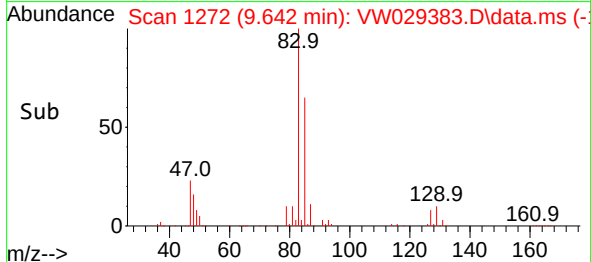
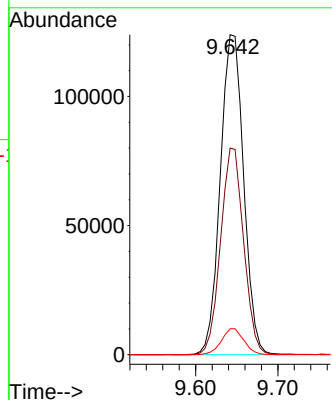
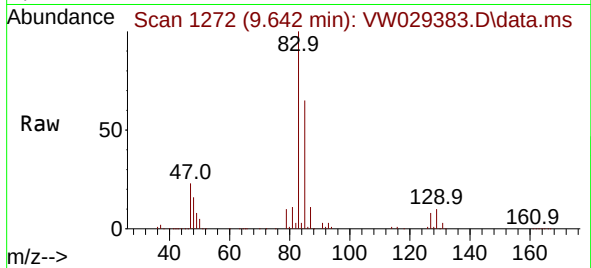




#38
Bromodichloromethane
Concen: 51.237 ug/L
RT: 9.642 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

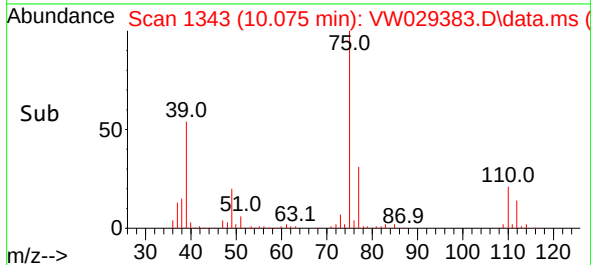
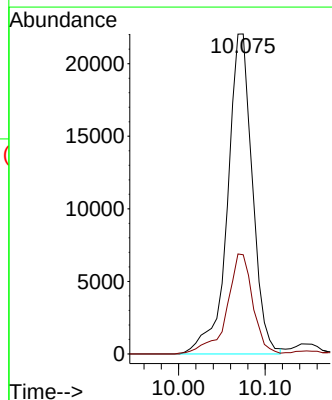
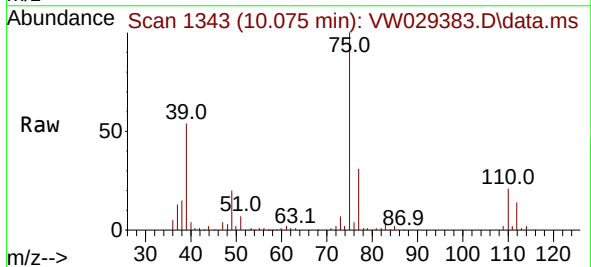
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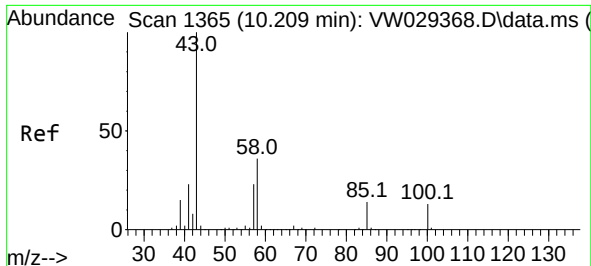
Tgt Ion: 83 Resp: 244663
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
127 8.1 5.8 8.6



#39
cis-1,3-Dichloropropene
Concen: 7.960 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

Tgt Ion: 75 Resp: 43947
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.1





#40

4-Methyl-2-pentanone

Concen: 46.909 ug/L

RT: 10.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

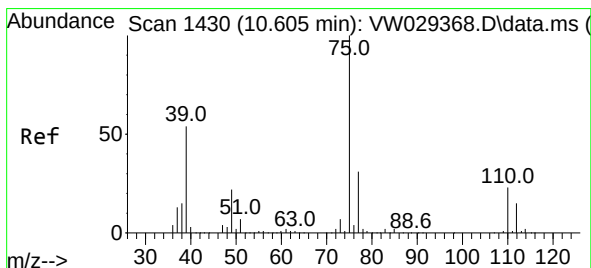
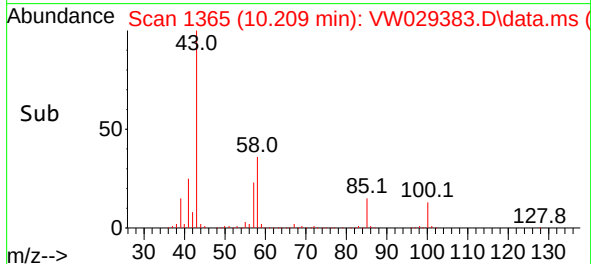
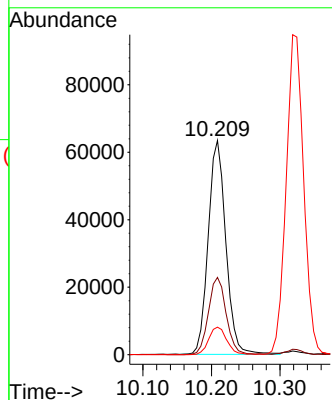
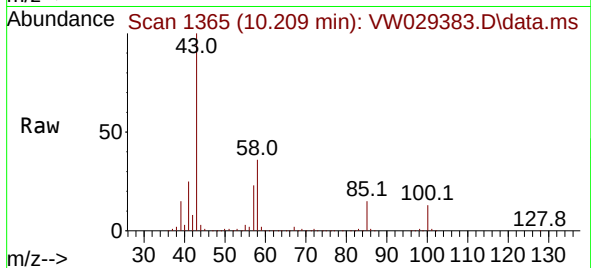
Tgt Ion: 43 Resp: 113552

Ion Ratio Lower Upper

43 100

58 36.3 28.2 42.4

100 13.3 11.0 16.4



#44

trans-1,3-Dichloropropene

Concen: 29.065 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029383.D

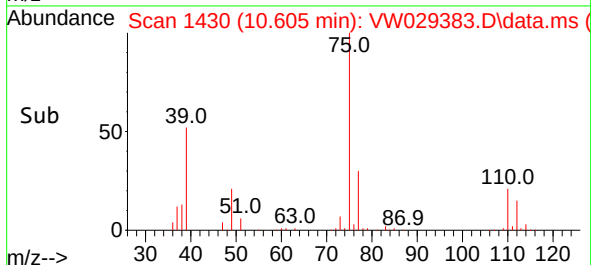
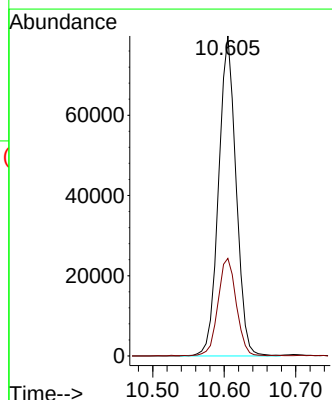
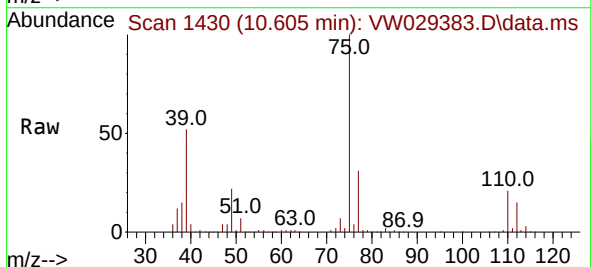
Acq: 27 Jun 2024 15:57

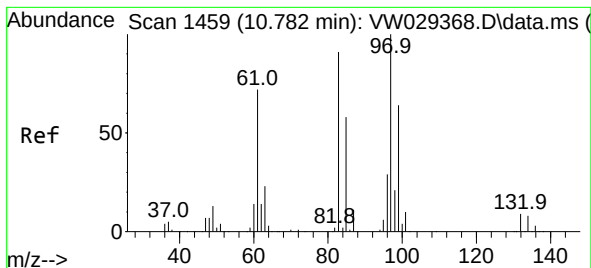
Tgt Ion: 75 Resp: 135491

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 40.485 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

Tgt Ion: 97 Resp: 110122

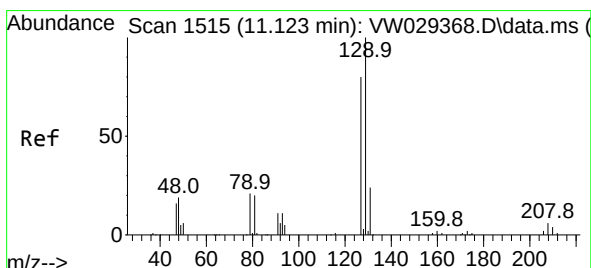
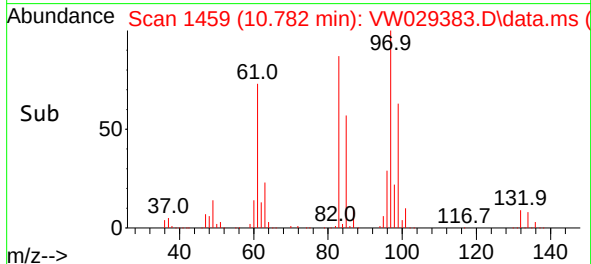
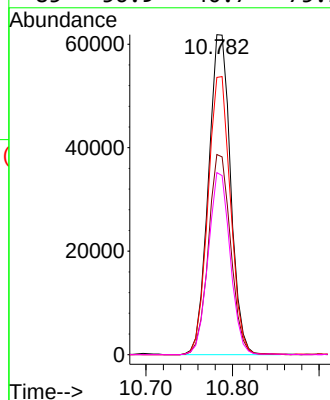
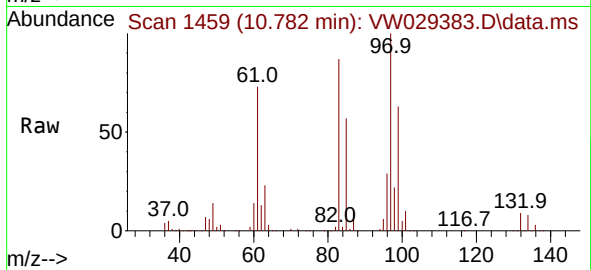
Ion Ratio Lower Upper

97 100

99 62.6 42.3 78.5

83 86.6 57.7 107.1

85 56.9 40.7 75.5



#49

Dibromochloromethane

Concen: 21.761 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029383.D

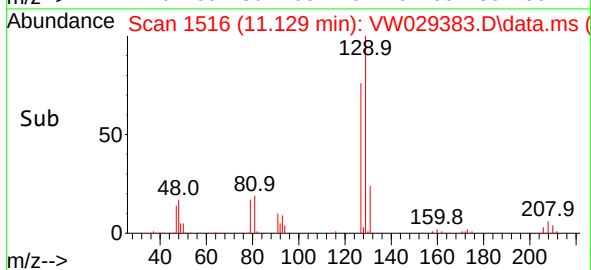
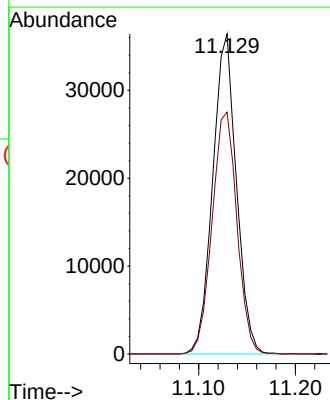
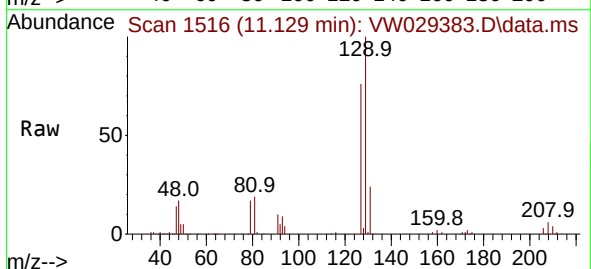
Acq: 27 Jun 2024 15:57

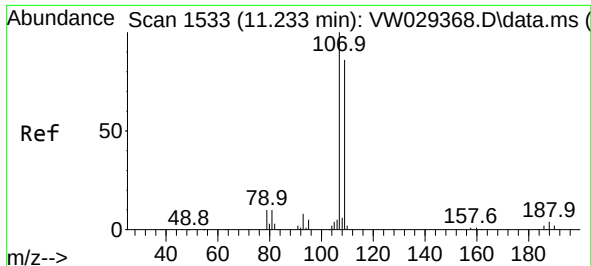
Tgt Ion:129 Resp: 61874

Ion Ratio Lower Upper

129 100

127 75.5 54.8 101.8





#50

1,2-Dibromoethane

Concen: 42.652 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

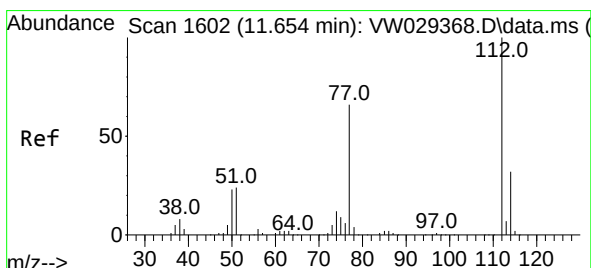
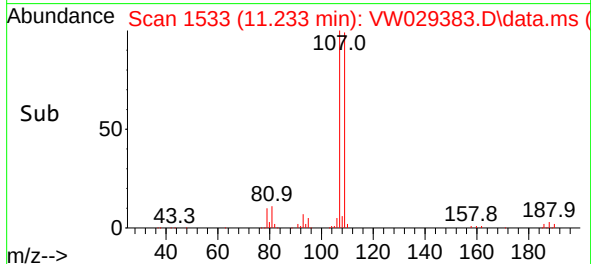
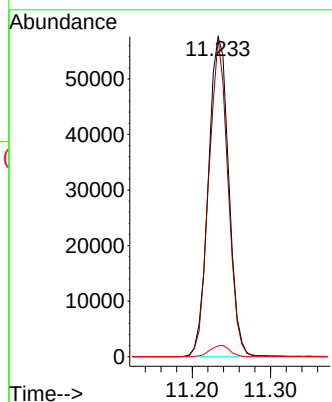
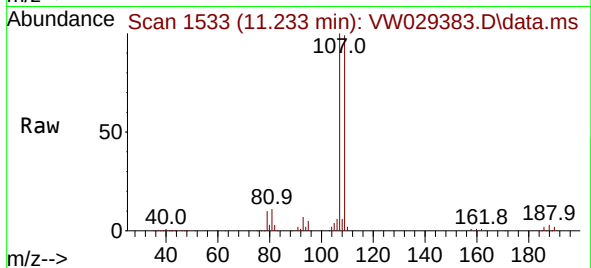
Tgt Ion:107 Resp: 104142

Ion Ratio Lower Upper

107 100

109 99.4 65.5 121.6

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 16.681 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

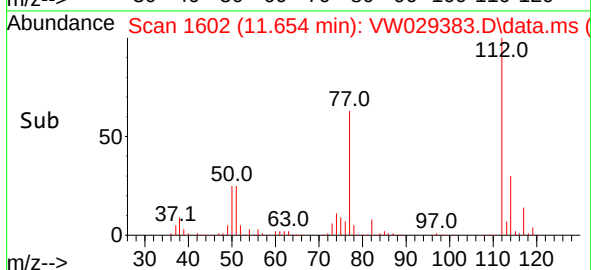
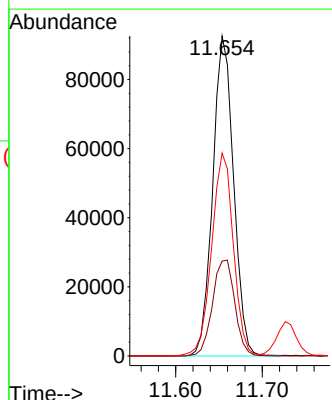
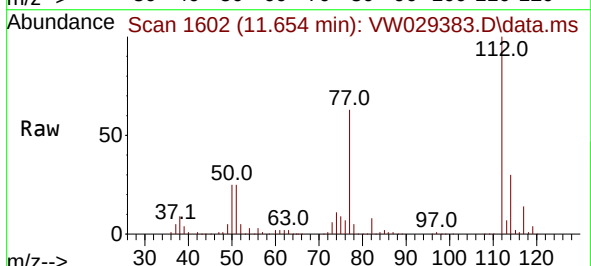
Tgt Ion:112 Resp: 154778

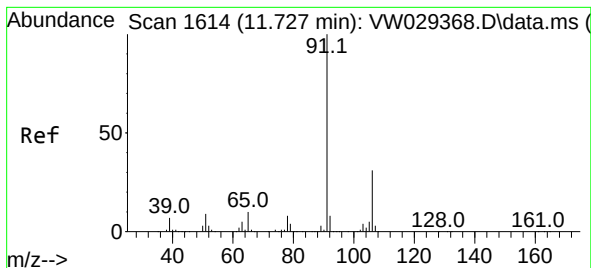
Ion Ratio Lower Upper

112 100

114 29.7 22.6 42.0

77 63.4 51.0 76.6

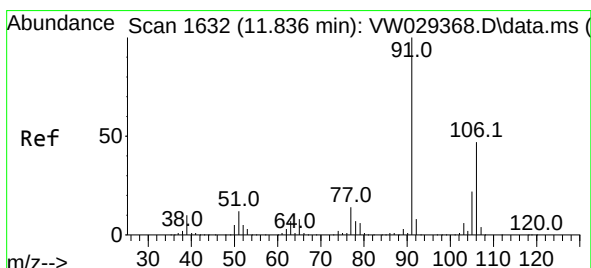
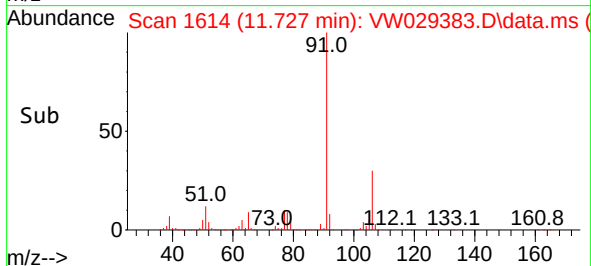
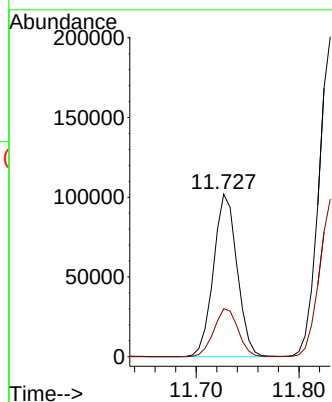
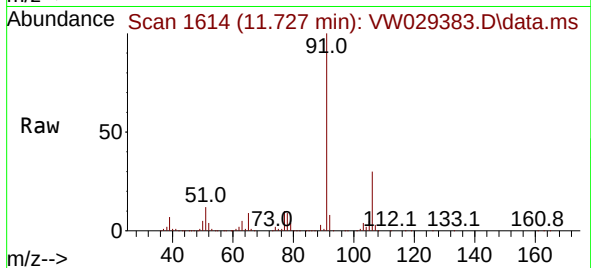




#52
Ethylbenzene
Concen: 10.046 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

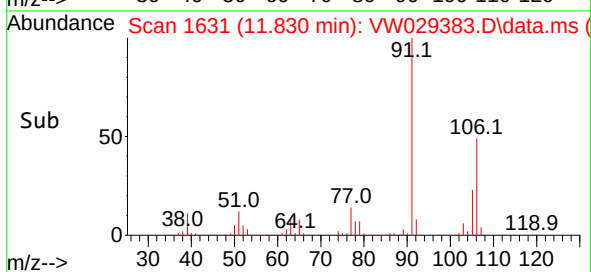
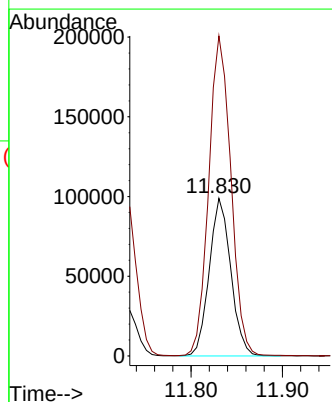
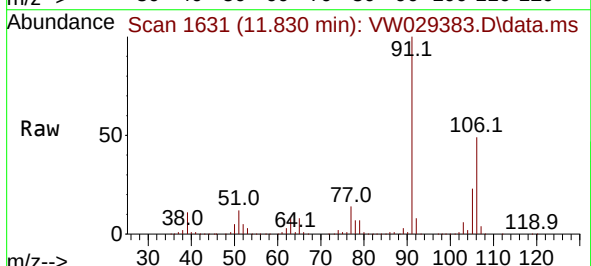
Instrument :
MSVOA_W
ClientSampleId :
A4DK1DL

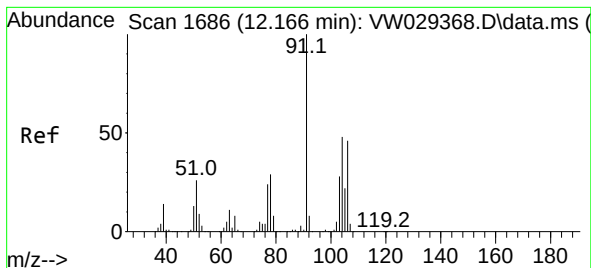
Tgt Ion: 91 Resp: 162946
Ion Ratio Lower Upper
91 100
106 29.6 19.9 37.0



#53
m,p-Xylene
Concen: 27.314 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

Tgt Ion: 106 Resp: 161821
Ion Ratio Lower Upper
106 100
91 202.9 140.5 260.9

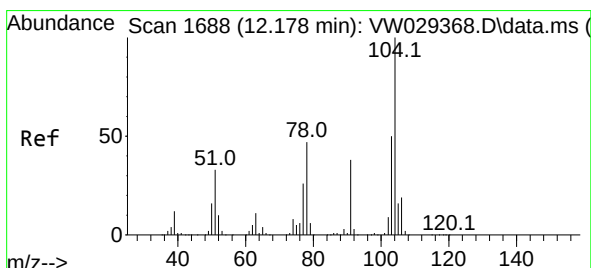
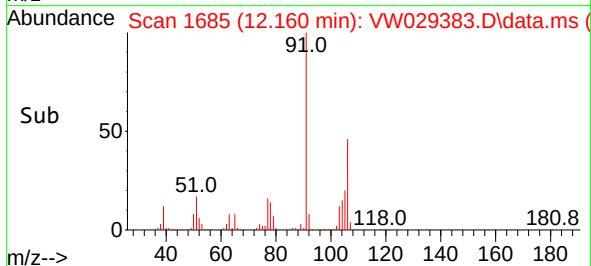
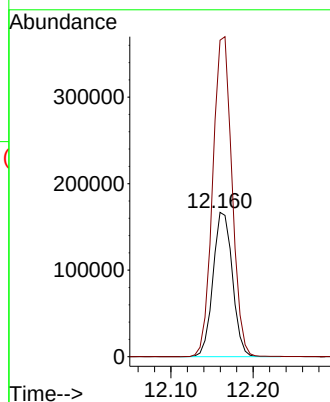
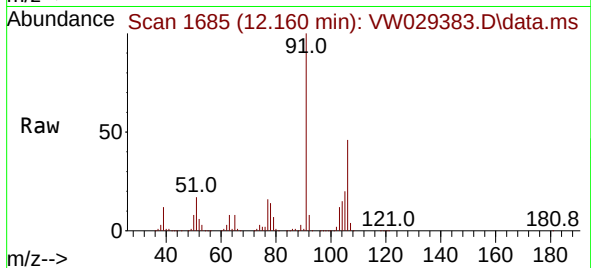




#54
o-Xylene
Concen: 49.267 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

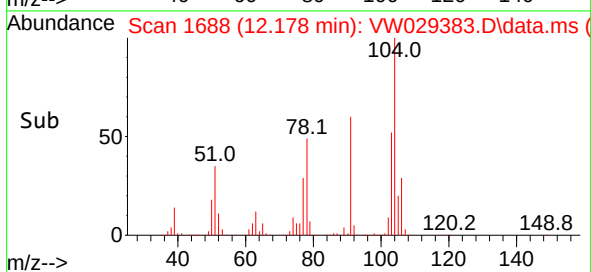
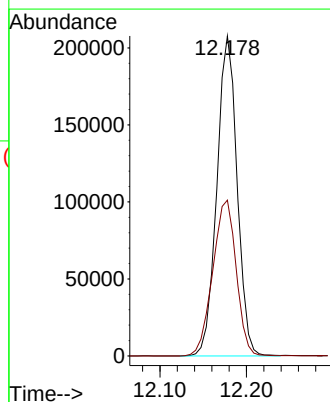
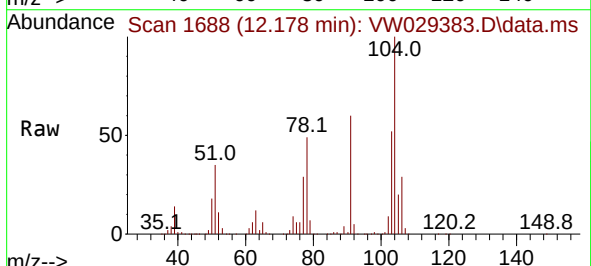
Instrument :
MSVOA_W
ClientSampleId :
A4DK1DL

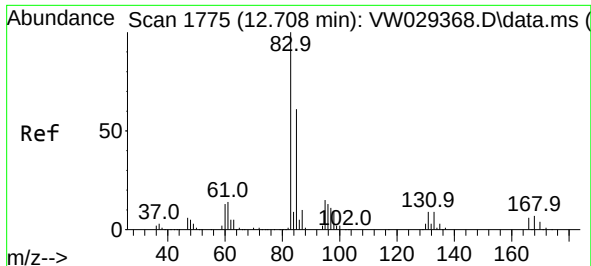
Tgt Ion:106 Resp: 272787
Ion Ratio Lower Upper
106 100
91 219.4 149.9 278.5



#55
Styrene
Concen: 34.950 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW029383.D
Acq: 27 Jun 2024 15:57

Tgt Ion:104 Resp: 337409
Ion Ratio Lower Upper
104 100
78 48.7 35.4 65.7





#57

1,1,2,2-Tetrachloroethane

Concen: 19.810 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

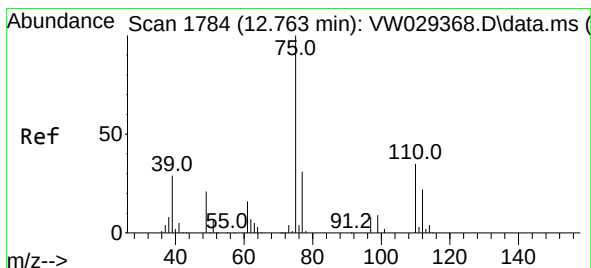
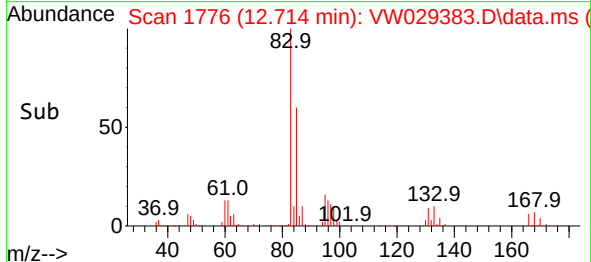
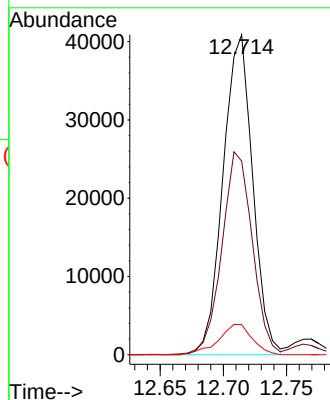
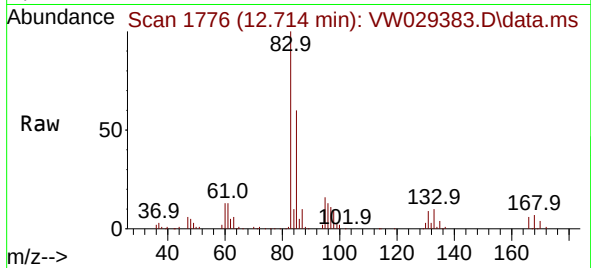
Tgt Ion: 83 Resp: 66654

Ion Ratio Lower Upper

83 100

85 60.5 45.8 85.0

131 9.4 7.8 11.6



#61

1,2,3-Trichloropropane

Concen: 53.459 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

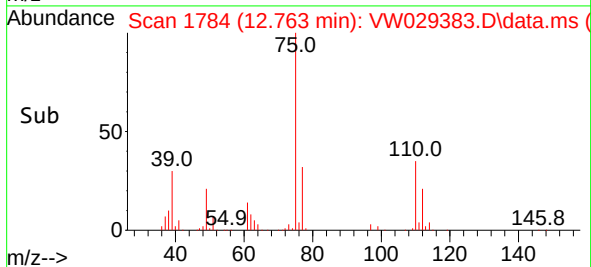
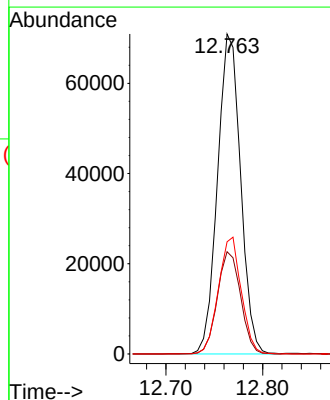
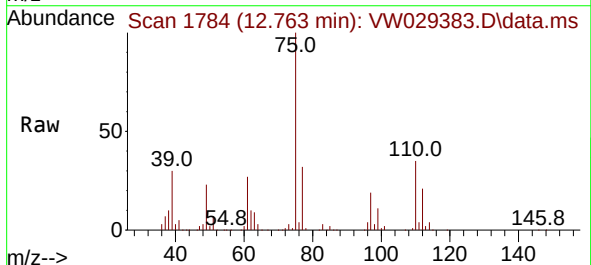
Tgt Ion: 75 Resp: 117415

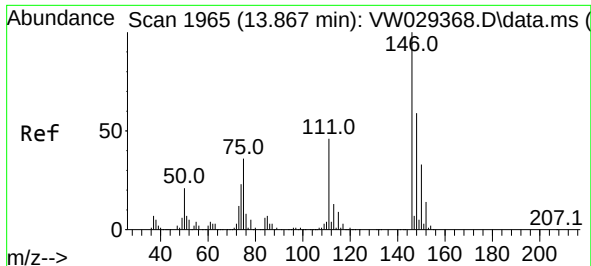
Ion Ratio Lower Upper

75 100

77 32.2 26.6 39.8

110 36.1 29.5 44.3





#67

1,2-Dichlorobenzene

Concen: 52.748 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Instrument :

MSVOA_W

ClientSampleId :

A4DK1DL

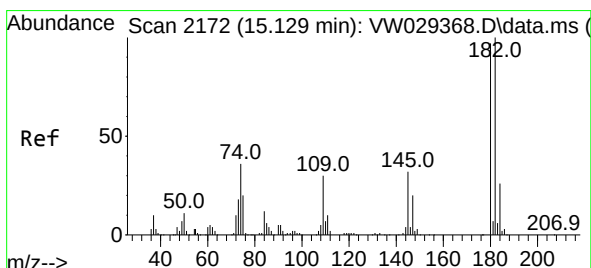
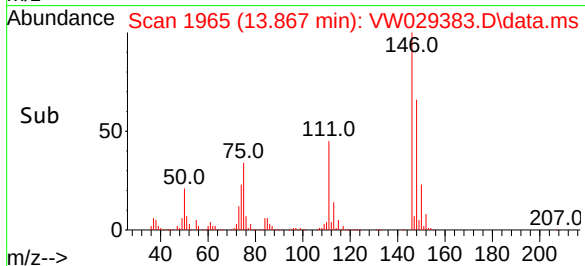
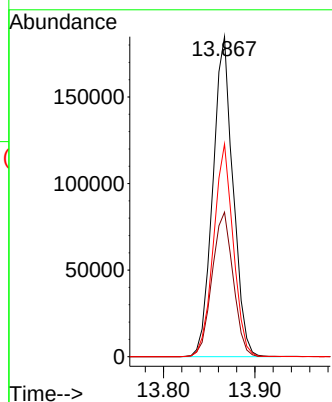
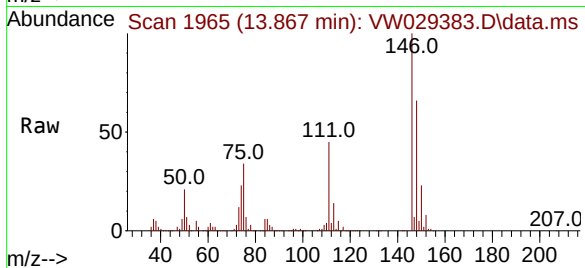
Tgt Ion:146 Resp: 283146

Ion Ratio Lower Upper

146 100

111 45.2 34.2 51.4

148 66.4 46.3 69.5



#70

1,2,4-trichlorobenzene

Concen: 13.393 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029383.D

Acq: 27 Jun 2024 15:57

Tgt Ion:180 Resp: 42545

Ion Ratio Lower Upper

180 100

182 91.4 77.7 116.5

145 32.3 25.7 38.5

